

San Jacinto River Waste Pits Superfund Site

San Jacinto River Waste Pits Location Map



Legend

- Preliminary Perimeter
- Northern Impoundment Perimeter
- Southern Impoundment Perimeter

0 0.1 0.2 0.3 0.4
miles

Sources:
Aerial Photo: Digital Globe, 12/01/2007
Northern Impoundment: EPA R6 GIS digitized from Univ of Houston Power Point Presentation
Southern Impoundment: EPA R6 GIS digitized from 1964 aerial photograph.

EPA makes no claims as to the accuracy of the data or its suitability for any particular use.

Map created: June 11, 2009

San Jacinto River Waste Pits

South
Impoundment
1965



Northern Waste Pits Before Cap

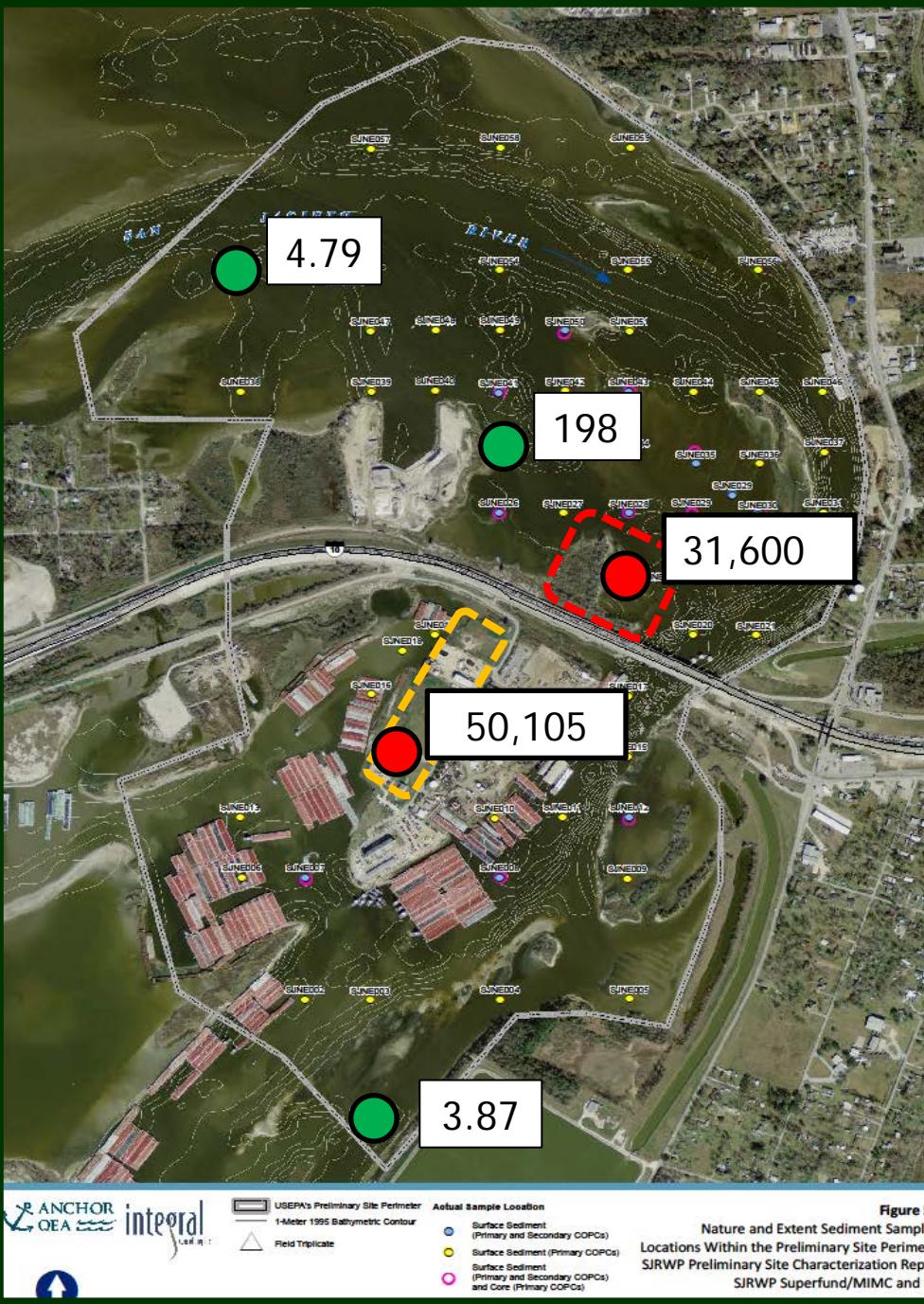


North Waste Pits After Cap



Approximate Limit of Armored Cap

Cap Construction Completed July 12, 2011



San Jacinto River Waste Pits Site

291 Surface & subsurface sediment samples within preliminary site boundary.

Waste Pits

Southern Impoundment

Sediment - ng/kg TEQ_{DF} Dioxin

≤ 50 ppt TEQ Dioxin/Furan

San Jacinto River Waste Pits

August 2011 Residential Soil Samples for Dioxin and Furan Analysis

- Sample Location
- Zero Ft. Contour
- Northern Impoundment
- Southern Impoundment
- 100 Yr. Floodplain



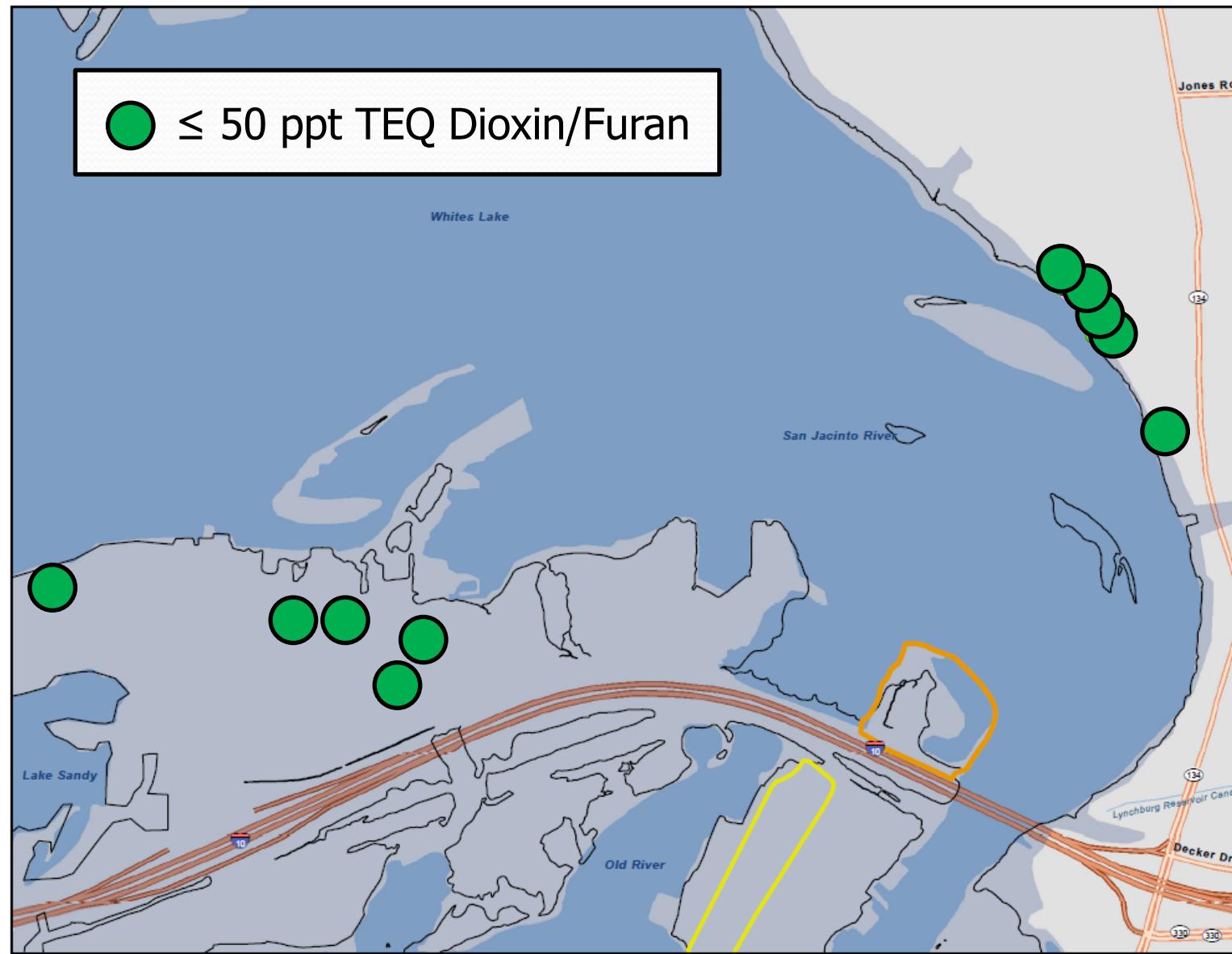
Sources:
Sample Locations: Anchor QEA.
Zero Ft. Contour: Anchor QEA.
Impoundment Perimeters: EPA Region 6.
100 Yr. Floodplain: Anchor QEA.
Background Roads: ESRI Streetmap.

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Map created: September 19, 2011



EPA Region 6
Superfund Division
Dallas, Texas
2010919BG01



San Jacinto River Waste Pits

Draft Feasibility Study

Preliminary Action Levels:

- 220 ng/kg (sediment outside of cap – recreational visitor).
- 450 ng/kg (soil in Southern Impoundment – construction worker).
- 1,300 ng/kg (soil/sediment within cap – industrial/commercial worker).

San Jacinto River Waste Pits

Draft Feasibility Study

Remediation Alternatives (major components):

- Alt. 1: No further action.
- Alt. 2: Institutional Controls & monitoring.
- Alt. 3: Cap upgrades.
- Alt. 4: Partial (25%) solidification.
- Alt. 5: Partial (25%) removal.
- Alt. 6: Full removal down to 220 ng/kg.

San Jacinto River Waste Pits

Alternative 3: Cap Improvements

- 2 mo. construction
 - \$2.9 MM

